#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION



Washington, D. C. 20549

#### **FORM 11-K**

☑ ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the fiscal year ended December 31, 2006

□TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Commission file number: 001-10608

A. Full title of the plans and address of the plans, if different from that of the issuer named below:

For the Transition period from \_\_\_\_\_\_ to \_\_\_\_\_

#### Florida Public Utilities Company 401(K) Plan

B. Name of issuer of the securities held pursuant to the plans and the address of its principal executive office:

Florida Public Utilities Company 401 South Dixie Highway West Palm Beach, FL 33401

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All other schedules required by the Department of Labor's rules and regulations for reporting disclosure under the Employee Retirement Income Security Act of 1974 have been omitted, because they are not applicable.

#### REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Plan Administrator Florida Public Utilities Company 401(k) Plan West Palm Beach, Florida

We have audited the accompanying statements of net assets available for benefits of the Florida Public Utilities Company 401(k) Plan ("the Plan") as of December 31, 2006 and 2005, and the related statements of changes in net assets available for benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2006 and 2005, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were performed for the purpose of forming opinions on the basic financial statements taken as a whole. The accompanying supplemental Schedule of Assets Held for Investment as of December 31, 2006 is presented for the purpose of additional analysis and is not a required part of the basic financial statements, but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in the audits of the basic financial statements, and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

BDO Seidman, LLP

West Palm Beach, Florida

September 16, 2008

## STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS YEARS ENDED DECEMBER 31, 2006 AND 2005

	2006	2005
ASSETS:		
Investments at fair value	\$ 9,231,366	\$ 8,616,549
Participant contribution receivable	26,587	-
Employer contribution receivable	1,644	•
Other receivables	2,456	1,583
Loans	339,952	257,103
Total assets	9,602,005	8,875,235
LIABILITIES:		
Adjustments from fair value to contract value for fully benefit-responsive investment contracts	1,223	8,356
NET ASSETS AVAILABLE FOR BENEFITS	\$9,600,782	\$ 8,866,879

See accompanying notes to financial statements.

## STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS YEARS ENDED DECEMBER 31, 2006 AND 2005

	2006	2005
Additions to net assets attributed to		
Contribution:	m 0.40 000	# F00 000
Participants' contribution	\$ 643,963	\$ 522,039
Participants' rollover contribution	38,819	29,175
Employer contribution	23,011	1,152
	705,793	552,366
Investment Income	-	
Interest, dividends and gain on sale of investments	10,961	2,762
Participant loan interest	21,290	15,190
Net appreciation in value of investments	1,062,789	555,628
Other earnings	44,477	3,673
	1,139,517	577,253
Total Additions	1,845,310	1,129,619
Deductions from net assets attributed to:		
Benefits paid to participants	1,107,450	539,237
Administrative expenses	3,957	12,055
Total Deductions	1,111,407	551,292
Net increase in net assets available for benefits	733,903	578,327
Net assets available for benefits, beginning of year	8,866,879	8,288,552
Net assets available for benefits, end of year	\$ 9,600,782	\$ 8,866,879

See accompanying notes to financial statements.

### NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2006 AND 2005

#### 1. SUMMARY OF PLAN

The following description of Florida Public Utilities Company (the "Company") 401(k) Plan (the "Plan"), as amended is provided for general information only. Participants should refer to the summary plan description and plan documents for a more detailed and complete description of the Plan's provisions.

General - The Plan is a defined contribution plan with the purpose of providing retirement benefits to employees. This benefit plan was formed for all employees who have met the eligibility requirements, which are generally attaining age twenty-one and providing three months of continuous service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Employee Contributions - Each plan participant may elect to contribute 1% to 100% of their pre-taxed compensation up to the maximum allowed by the Internal Revenue Code (IRS) after attaining age 21 years and completing three months of eligibility service. If participants are going to be age 50 or older by the end of the calendar year, they may make Catch-Up Deferral Contributions that exceed the IRS limit, but cannot exceed the Catch-Up Limit in effect for that year.

Employer Contributions – The Company began a regular matching contribution for employees hired on or after January 1, 2005 who were not eligible to participate in the Employees' Pension Plan of Florida Public Utilities Company (Pension Plan). This was also implemented in 2005 for employees who were covered by a collective bargaining agreement on their respective contract dates.

Employees who are not participants in the Pension Plan are eligible to receive a Company match after attaining 21 year of age and after six months of continuous service. Each employee is 100% vested after three years of continuous service. For those employees eligible to receive employer contributions, the matching contribution is equal to 50% of the tax-deferred contribution for a given payroll period, not to exceed 6% of the employee's compensation.

Beginning January 1, 2006, employees who participated in the Pension Plan could elect to freeze their benefits earned in the Pension Plan as of March 31, 2006 and make a one-time election to participate in the Florida Public Utilities Company 401(k) Plan rather than the Pension Plan and to receive a regular matching contribution. Additionally, employees participating in the Employees' Pension Plan of Florida Public Utilities Company may also elect to continue in the pension plan with benefits and participate in the Florida Public Utilities Company 401(k) Plan without receiving matching contribution.

Participant Accounts - Plan participants have investment control over the funds that have been deducted from their compensation and such amounts are always fully vested. Contributions to the Plan are invested at participants' discretion in separate equity and fixed

income funds. Each participant's account is increased by the participant's contributions, the Company's matching contribution, if applicable, prior plan rollovers and investment earnings, and is decreased by any benefit payments or withdrawals, allocation of Plan losses and administration fees.

Investments - Participants direct the investments of their contributions into various investment options offered by the Plan.

**Vesting** - Participants become vested in the employer contributions and their related investment earnings according to the following schedule:

Years of Service	Vested Percen	
1	0%	
2	0%	
3	100%	

Employer contributions automatically become fully vested upon reaching the Plan's normal retirement age, death or disability.

**Forfeitures** - Forfeitures are created when participants terminate employment before becoming fully vested in Company's contributions. Forfeited amounts will be applied to reduce subsequent contributions by the Employer as provided in the Plan. There were no material forfeitures under the Plan during the years ended December 31, 2006 and 2005.

Participant Loans - Participants may borrow from their Plan accounts a minimum of \$1,000 up to a maximum of \$50,000 or 50% of their vested account balance. The loans are secured by the balance in the participant's account and are payable over a 1 to 5 year period and bear interest at rates equal to prime rate plus one percent (1%) as determined monthly by the Plan administrator.

Payment of Benefits - On termination of service due to death, disability or retirement, a participant may elect to receive either a lump-sum amount equal to the value of the participant's vested interest in his or her account, or monthly distributions. Employees at age 59½ may begin to receive lump-sum or monthly distributions from their account, after retirement or while still employed, without having to pay the IRS early withdrawal penalty, currently at 10%. For termination of service due to other reasons, a participant may receive the value of the vested interest in his or her account as a lump-sum distribution.

Subsequent Events - In 2007, the Plan was enhanced to provide a company 100% match of the first 2% of employee's contribution, and a 50% match of the next 4% of an employee's contribution, for a total company match of up to 4%. This became effective on January 1, 2007 for non-union employees participating in the plan. Non-union employees who were participants of our Pension Plan and elected to participate in our 401k defined contribution plan do not qualify for a company match. The enhanced match for our union employees became effective on the respective dates the six union contracts became effective in 2007. In addition, the Plan will no longer offer Florida Public Utilities Company stock as an investment option effective December 1, 2008.

Effective January 1, 2007, the Plan was amended to make matching contributions a discretionary contribution by the employer on behalf of its eligible employees.

Additionally, the Plan has added Section 4.5 to Article IV of the Plan to provide an automatic escalation in tax-deferred contributions starting July 1, 2007. The employer shall increase the amount of the Tax-Deferred contributions, each July, it makes on behalf of each of its eligible employees who is making Tax-Deferred contributions for each payroll period in an amount less than 6% of Compensation. The increase shall be equal to an additional 1% of the eligible employee's Tax-Deferred contribution for the payroll period to 6% of compensation. The provisions shall not apply to any eligible employee, who makes an affirmative election against the increase.

#### 2. SUMMARY OF ACCOUNTING POLICIES

The following is a summary of significant accounting policies followed by the Florida Public Utilities Company 401(k) Plan (the "Plan"):

Basis of Accounting — The accompanying financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America.

Use of Estimates in the Preparation of Financial Statements - The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of income and expenses during the period. Actual results could differ from those estimates.

Investment Valuation and Income Recognition - Investments are stated at their fair value based on quoted market prices or estimated fair value except for its benefit-responsive investment contract which is valued at contract value (Note 5). Accordingly, net appreciation and depreciation in the fair value of investments are recorded in the accompanying financial statements. Purchases and sales of securities are recorded on a trade-date basis. Investment income is recorded on an accrual basis. Participant loans are valued at their outstanding loan balances, which approximate fair value.

Administrative Expenses · In accordance with the Administrative Services Agreement, expenses may be paid by the Plan Sponsor or deducted from participant account balances. For the years ended December 31, 2006 and 2005, plan expenses that were deducted from participants account balances and shown as expenses were \$3,957 and \$12,055 respectively. Certain plan expenses, also referred to as administrative expenses, such as annual audit fees, are paid by the plan sponsor and are not included in these financial statements.

Payment of Benefits - Benefit payments to participants are recorded upon distribution.

New Accounting Pronouncements - In December 2005, the Financial Accounting Standards Board issued FASB Staff Position (FSP) Nos. AAG INV-1 and SOP 94-4-1, Reporting of Fully-Benefit Responsive Investment Contracts Held by Certain Investment Companies Subject to the AICPA Investment Company Guide and Defined Contribution Health and Welfare and Pension Plans.

FSP states that investments held by defined contribution plans are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the net assets available for benefits of a defined contribution plan attributable to fully benefitresponsive investment contracts. The fully benefit responsive investment contracts are reflected at contract value because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of their employer-sponsored defined-contribution plan, which invests in the Plan. An investment contract is considered to be fully benefit-responsive if: (1) it is effected directly between the plan and the issuer and may not be transferred without the consent of the issuer; (2) in the case of traditional investment contracts, the repayment of principal and interest is a financial obligations of the issuer, or, in the case of synthetic investment contracts, the issuer of a wrapper contract provides assurance that the future contract crediting rate will not be adjusted to less than zero; (3) the contract requires all permitted participant-initiated transactions with the fund to be at contract value, without limitation; (4) it is improbable that an event will occur that would limit the ability of the fund to transact at contract value with both the issuer and the fund unit holders; and (5) the fund allows unit holders reasonable access to their funds.

As of December 31, 2006, the investment contracts in the Plan were fully benefit-responsive and in compliance with the FSP. Accordingly, the Statement of Net Assets Available for Benefits presents the fair value of the investments as well as the adjustment of the investment from fair value to contract value relating to the fully benefit-responsive investment contract.

The adoption of the FSP had no impact on the Plan's assets or unit asset value per share, which have been historically been presented at contract value, or total investment return for the year ended December 31, 2006.

In September 2006, "Statement of financial Accounting Standards No. 157, Fair Value Measurements" ("FAS 157"), was issued and is effective for fiscal years beginning after November 15, 2007. FAS 157 defines fair value, establishes a frame work for measuring fair value and expands disclosures about fair value measurements. At this time, management is evaluating the implications of FAS 157 and its impact on the Trust's financial statements, if any, has not been determined.

In February, 2007, FASB also issued "Statement of Financial Accounting Standards No. 159, The Fair Value Option for Financial Assets and Financial Liabilities" ("FAS 159"), which is also effective for fiscal years beginning after November 15, 2007. Early adoption is permitted as of the beginning of a fiscal year that begins on or before November 15, 2007, provided the entity also elects to apply the provisions of FAS 157. At this time, management is evaluating the implications of FAS 159 and its impact on the Plan's financial statements, if any, has not been determined.

#### 3. INVESTMENTS

Investments that represent more than 5% of Plan assets are as follows:

	2006	2005_
Mutual Funds:		
Aim Utilities Fund – A	\$ 1,636,051	\$ 2,065,715

Pooled Separate Accounts:		
Harris/C&B Select Focused Value Fund	699,760	749,881
Clover/TRP/Earnest Select Small Co. Value Fund	779,149	1,132,916
Oppenheimer Premier Capital Appreciation	689,484	789,306
Alliance Bernstein Select Diversified Value Fund	1,053,926	1,117,911
Destination Retirement 2020 Fund	640,110	-
Destination Retirement 2030 Fund	489,133	-
Insurance Company General Account:		
Fixed Interest Account	1,119,760	1,098,142

During 2006 the Plan's investments (including gains and losses on investments bought and sold as well as held during the year) appreciated (depreciated) in value by \$1,062,789 as follows:

Mutual funds	\$ 314,332
Realized appreciation of assets	52,603
Unrealized depreciation of assets	(7,229)
Pooled separate accounts	 703,083
Total appreciation	\$ 1,062,789

#### 4. PARTY IN INTEREST TRANSACTIONS

Certain Plan investments consist of shares of common stock of Florida Public Utilities Company. The market value of the common stock at December 31, 2006 and 2005 was \$298,377 and \$363,172 respectively.

Certain Plan investments are shares of mutual funds managed by MassMutual, the current contract record keeper as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions. Additionally, fees paid for the investment management services are paid by the Company.

#### 5. INVESTMENT CONTRACT WITH INSURANCE COMPANY

In 2005, the Company entered into an investment contract with Massachusetts Mutual Life Insurance Company ("MassMutual"). MassMutual maintains the contributions under a group annuity contract in an unallocated pooled separate account. Under the agreement, the Plan may, but is not required to, purchase an annuity for any person who is eligible to receive an annuity under the Plan. MassMutual holds funds under the agreement in Separate Investment Accounts ("SIA") selected by the Plan. The contract is included in the financial statements at fair value as reported to the Plan by MassMutual.

In 2005, the Plan entered into a benefit-responsive investment contract with MassMutual. MassMutual maintains the contributions in a general account. A book value account is maintained to determine the amount of investor's interest in the Separate Account Guaranteed Interest Contract ("SAGIC"). The interest rate credited to funds held under the SAGIC will not be more than 100 basis points less than the book value account interest rate on the termination date. MassMutual will establish the book value interest rate on a monthly basis, with a duration period of 6 months. The initial book value interest rate of the Book

Value Account is 4.35% and is good through May 31, 2007. The account is credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses. Instead of deducting fees, the investor may provide effective communication to MassMutual requesting monthly invoices which shall be payable within 30 days of the date of the invoice. If fees have not been paid within 30 days, MassMutual has the right to withdraw the amount of the unpaid fees and all future fees. The contract is included in the financial statements at contract value as reported to the Plan by MassMutual. Contract value represents contributions made under the contract plus investment income and any realized or unrealized capital appreciation or depreciation of the investments.

The average yield and crediting interest rate on the contract are as follows:

Period	Rate
12/1/05-6/1/06	4.30%
6/1/06-12/1/06	4.45%
12/1/06-6/1/07	4.35%

The GIC issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the plan. There are no reserves against contract value for credit risk of the contract issuer or otherwise. The crediting interest rate is based on a formula agreed upon with the issuer, but may not be less than zero percent.

Certain events, such as the premature termination of the contract by the Plan or the termination of the Plan, would limit the Plan's ability to transact at contract value with MassMutual. The Plan administrator believes the occurrence of such events that would also limit the Plan's ability to transact at contract value with Plan participants is not probable.

MassMutual holds funds under the agreement in General Investment Accounts ("GIA") selected by the Plan.

MassMutual will hold reserves in an amount at least equal to the minimum required by law. The fair value of the SAGIC contract at December 31, 2005 and 2006 was \$1,106,498 and \$1,120,983 respectfully. MassMutual has the right to fully or partially terminate the contract when certain events occur, as agreed upon in the Investment Agreement.

#### 6. PLAN TERMINATION

Although the Company has not expressed any intent to terminate the Plan, it has the right to discontinue contributions and terminate the Plan subject to the Employee Retirement Income Security Act (ERISA) of 1974. In the event the Plan is terminated, participants would become 100% vested in their employer contributions.

#### 7. RECONCILIATION OF FINANCIAL STATEMENTS TO FORM 5500

The following is a reconciliation of contributions, benefits, and net assets available for benefits per the financial statements to Form 5500 for the years ended December 31, 2006 and 2005:

**2006 2005** \$ 705,793 \$ 552,366

Contribution Receivables:		
Participant contribution	26,587	-
Employer contribution	1,644	
Contributions per Form 5500	\$ 677,562	\$ 552,366
	2006	<u>2005</u>
Benefits paid to participants per the financial statements	\$1,107,450	\$ 539,237
Refund of excess contributions	-	20,962
Benefits per Form 5500	\$1,107,450	\$ 560,199
	<u>2006</u>	<u>2005</u>
Net assets available for benefits, end of year per the		
financial statements	\$ 9,600,782	\$8,866,879
Contribution Receivables:	. •	-
Participant contribution	26,587	-
Employer contribution	1,644	<u>·</u>
Net assets available for benefits per Form 5500	\$ 9,572,551	\$ 8,866,879

#### 8. TAX STATUS

The Plan obtained its last determination letter on November 25, 2003, in which the Internal Revenue Service stated that the Plan, as then designed, was in compliance with the applicable requirements of the Internal Revenue Code. The Plan has been amended since receiving the determination letter; however, the Company, MassMutual, and the Plan administrator believe that the Plan is currently designed and operated in compliance with the applicable requirements of the Internal Revenue Code.

#### 9. RISKS AND UNCERTAINTIES

The Plan provides for various investment options. Investment securities are exposed to various risks, such as interest rate, credit and overall market volatility. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is reasonably possible that changes in risks in the near term could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits and the changes in net assets available for benefits.

## EXHIBIT A - SUPPLEMENTAL SCHEDULE OF ASSETS HELD FOR INVESTMENT as of DECEMBER 31, 2006

Schedule H, Line 4i - Schedule of Assets Held at End of Year

Plan EIN: 59-0539080 Plan Number: 002

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower,	Description of investment including maturity date,	<b>Q</b> 4	Current
*	leasor, or similar party	rate of interest, collateral par or maturity value	Cost	Value
*	MassMutual	Fixed Interest Fund	**	\$1,119,760
*	MassMutual	W&R/Wellington Select Small Cap Growth Fund		86,707
*	MassMutual	Sands Capital Select Aggressive Growth Fund	**	289,031
*	MassMutual	MFS/Harris Select Overseas Fund	**	157,432
*	MassMutual	T Rowe Price Mid-Cap Growth Fund II	**	358,427
*	MassMutual	Harris/C&B Select Focused Value Fund	**	699,760
*	MassMutual	Northern Trust Select Indexed Equity Fund	**	230,875
*	MassMutual	Clover/TRP/Earnest Select Small Co. Value Fund	**	779,149
*	MassMutual	Alliance Bernstein Select Diversified Value Fund	**	1,053,926
*	MassMutual	Destination Retirement Income	**	42,229
*	MassMutual	Destination Retirement 2010 Fund	**	176,016
*	MassMutual	Destination Retirement 2020 Fund	**	640,110
*	MassMutual	Destination Retirement 2030 Fund	**	489,133
*	MassMutual	Destination Retirement 2040 Fund	**	24,511
*	MassMutual	Oppenheimer Premier Capital Appreciation	**	689,484
*	MassMutual	Western Select Strategic Bond Fund	**	201,510
*	MassMutual	Templeton Growth Fund	**	245,122
*	Investors Bank and Trust	Aim Utilities Fund - A	**	1,636,051
*	Investors Bank and Trust	Common Stock of Florida Public Utilities Company	**	298,377
*	<b>Investors Bank and Trust</b>	Money Market	**	14,989
	Participants Loans	5%-9.25%	**	339,952
	TOTAL			\$ 9,572,551

<sup>\*</sup> Represents a party-in-interest

<sup>\*\*</sup> The cost information is not required for participant-directed investments and, therefore, not included.

#### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned thereunto duly authorized.

### FLORIDA PUBLIC UTILITIES COMPANY 401(k) Plan

Name of Plan

Date: September 18, 2008

Florida Public Utilities Company 401(k) Plan

# FLORIDA PUBLIC UTILITIES COMPANY EXHIBIT INDEX

## Item Number

23 Independent Registered Public Accounting Firm's Consent BDO Seidman LLP

#### Exhibit 23

### Consent of Independent Registered Public Accounting Firm

Florida Public Utilities Company 401(k) Plan West Palm Beach, Florida

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (333-124554) of our report dated September 16, 2008, relating to the financial statements and supplemental schedule of Florida Public Utilities Company 401(k) Plan appearing on this Form 11-K for the year ended December 31, 2006.

West Palm Beach, Florida September 17, 2008 BDO Seidman, LLP

